

# SPEEDCAM VISARIO LT800

## Insight that is accurate in every detail

The High-Speed Video Camera SpeedCam Visario LT 800 from Weinberger stands out on account of its optimum image quality and resolution. Thanks to its image format of 1536 x 1024 pixel at an impressive 500 frames per second, you will obtain video recordings of the fastest occurrences that are accurate in every detail. SpeedCam Visario LT 800 – the perfect combination of performance, quality and expandability – an investment without the need for compromise.



### Thanks to the presence of:

- Ultra-modern CMOS technology, using an image format of 1536 x 1024 pixel
- High recording speed of up to 2'000 images/sec. (at 768 x 512 pixel)
- High mechanical stability
- Smallest possible size and light weight
- Intuitive configuration and application software
- Exemplary modularity and expandability
- Easy upgrading for handling higher speeds

The **SpeedCam Visario LT 800** presents a unique "next generation" camera for high-resolution video recording of fast events.

At the heart of this vision system ideally suited for high levels of acceleration and vibration, lies the high resolution CMOS sensor, developed for the most demanding tasks. It sets new standards with regard to resolution, dynamics and noise reduction, and permits an absolutely true image reproduction.

Along with its optical and mechanical characteristics, the attractive **SpeedCam Visario LT 800** image acquisition system provides a convincing argument on the basis of its seamless integration with existing system environments.

The operating software VISART, developed for Windows 2000™, provides users with a very high degree of functionality and convenience.

### SpeedCam Visario LT 800 – revealing crucial moments.

- High resolution CMOS sensor with electronic shutter
- Intuitive software operation
- Exchangeable standard lenses (F-mount, C-mount etc.)
- Convenient network and software integration
- Windows 2000™
- Easy upgrading to the top-of-the-range model SpeedCam Visario 1500



**WEINBERGER**  
empowers your vision

# SPEEDCAM

## VISARIO LT800 – convincing arguments

### High-Speed Video Camera with CMOS Sensor

#### Optical parameters

- |                               |   |
|-------------------------------|---|
| <b>Sensor</b>                 | <ul style="list-style-type: none"><li>• High-speed APS CMOS sensor</li></ul>  |
| <b>Active sensor size</b>     | <ul style="list-style-type: none"><li>• 16.89 x 11.26 mm (W/H)</li></ul>  |
| <b>Active pixel size</b>      | <ul style="list-style-type: none"><li>• 11 µm square</li></ul>  |
| <b>Image formats</b>          | <ul style="list-style-type: none"><li>• 1536 x 1024 pixel: up to 500 images/sec.</li><li>• 1024 x 768 pixel: up to 1'000 images/sec.</li><li>• 768 x 512 pixel: up to 2'000 images/sec.</li></ul>   |
| <b>Shutter</b>                | <ul style="list-style-type: none"><li>• Electronic shutter down to 10 µsec.</li></ul>   |
| <b>Dynamic range</b>          | <ul style="list-style-type: none"><li>• Monochrome 10 bit, color depth up to 30 bit</li></ul>   |
| <b>Recording time</b>         | <ul style="list-style-type: none"><li>• Default 2 sec. with full resolution @ 500 images/sec.</li><li>• Optional 8 sec. with full resolution @ 500 images/sec.</li><li>• Longer recording time at lower resolution and/or speed</li></ul> |
| <b>Other optical features</b> | <ul style="list-style-type: none"><li>• No blooming</li><li>• No cross talk</li><li>• Optimized noise reduction on chip</li></ul>   |

#### System-Software and functionality

- |                             |   |
|-----------------------------|---|
| <b>Operating system</b>     | <ul style="list-style-type: none"><li>• Windows 2000™</li></ul>   |
| <b>System integration</b>   | <ul style="list-style-type: none"><li>• CORBA: open software interface for seamless integration into existing environments</li></ul>  |
| <b>System configuration</b> | <ul style="list-style-type: none"><li>• Easy to use graphical user interface</li><li>• Intuitive control of all parameters such as recording frequency, play back speed and archiving</li></ul> |
| <b>Trigger</b>              | <ul style="list-style-type: none"><li>• Various trigger options on camera, LinkBox and host PC</li></ul>  |
| <b>Synchronization</b>      | <ul style="list-style-type: none"><li>• System synchronization via host PC or external</li><li>• IRIG-B (optional)</li></ul>  |
| <b>Viewfinder</b>           | <ul style="list-style-type: none"><li>• Low light mode as a viewfinder function for setup purposes</li></ul>  |
| <b>Network integration</b>  | <ul style="list-style-type: none"><li>• 100 MB Ethernet interface standard</li></ul>  |

#### Electrical and mechanical features

- |                          |  |
|--------------------------|--|
| <b>Lenses</b>            | <ul style="list-style-type: none"><li>• Mounts for various standard lenses</li><li>• F-mount and C-mount are part of the scope of supply</li><li>• Other mounts on request</li></ul>   |
| <b>System design</b>     | <ul style="list-style-type: none"><li>• Modular and expandable concept consisting of camera, LinkBox and Win2000™ host PC</li><li>• LinkBox integration for multi-camera operation, extendable up to 115 meters between host and cameras</li></ul> |
| <b>Dimensions</b>        | <ul style="list-style-type: none"><li>• Camera: 80 x 102 x 170 mm (H/W/D) / 1.8 kg (3.1" x 4.1" x 6.7" / 4 lbs)</li></ul>  |
| <b>Temperature</b>       | <ul style="list-style-type: none"><li>• Operating temperature: -10 to 45°C (15 to 110 °F)</li></ul>  |
| <b>Humidity</b>          | <ul style="list-style-type: none"><li>• 95% non condensing</li></ul>   |
| <b>Power supply</b>      | <ul style="list-style-type: none"><li>• Via LinkBox, LinkSplitter or host PC</li></ul>   |
| <b>Shock testing</b>     | <ul style="list-style-type: none"><li>• 100g /25 msec. tested over 1000 cycles</li></ul>   |
| <b>Testing standards</b> | <ul style="list-style-type: none"><li>• Complies with CE as well as other international standards</li></ul>  |

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